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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/896,093	06/28/2001	Yonjun Jeff Hu	400.084US01	9417
75	90 05/06/2003		•	
FOGG SLIFER & POLGLAZE, P.A.			EXAMINER	
P.O. Box 581009			DANG, TRUNG Q	
Minneapolis, M	N 55402		DANG, IKONG Q	
	•		ART UNIT	PAPER NUMBER
		•	2823	
		DATE MAILED: 05/06/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	pplicant(s)				
\$		HU, YONJUN JEFF				
Office Action Summary	09/896,093					
Office Action Cummary	Examiner	Art Unit				
The MAILING DATE of this communication app	Trung Q. Dang	correspondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be ti within the statutory minimum of thirty (30) da fill apply and will expire SIX (6) MONTHS fror cause the application to become ABANDON	imely filed nys will be considered timely. n the mailing date of this communication. ED (35 U.S.C.§ 133).				
Status						
1) Responsive to communication(s) filed on						
, <u> </u>	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims 4)⊠ Claim(s) 1-144 is/are pending in the applicatio	n					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	WI HOIH CONSIDERATION.					
	6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to. 8) Claim(s) <u>1-144</u> are subject to restriction and/or	election requirement					
Application Papers	election requirement.					
9) The specification is objected to by the Examine	ſ.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents	2. Certified copies of the priority documents have been received in Application No					
 3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list 	reau (PCT Rule 17.2(a)).					
14) Acknowledgment is made of a claim for domestic	c priority under 35 U.S.C. § 119	(e) (to a provisional application).				
a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesti	visional application has been re	ceived.				
Attachment(s)	, ,					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ry (PTO-413) Paper No(s) I Patent Application (PTO-152)				
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- Restriction to one of the following inventions is required under 35 U.S.C. § 121:
- Claims 1-90 drawn to a method of forming a metal interconnect in an integrated I. circuit device, classified in class 438, subclass 627.
- II. Claims 91-144 drawn to an interconnect of an integrated circuit device, classified in Class 257, subclass 758.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (M.P.E.P. § 806.05(f)). In the instant case, unpatentability of the group I invention would not necessarily imply unpatentability of the group II invention, since the interconnect of an integrated circuit device of the group II invention could be made by processes materially different than that of the group I invention, for example, the first metal layer of the structure claims, which comprises a first metal component and a second metal component forming a crystalline compound with the first metal component could be formed by forming an amorphous thin film comprises the first and second metal components and then annealing said amorphous thin film to crystallize the film.

Because these inventions are distinct for the reasons given above and, as shown by the above different classifications, the fields of search are not co-extensive and separate examination would be required, restriction for examination purposes as indicated is proper.

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2. Applicant is advised that the response to this requirement to be complete must include an

election of the invention to be examined even though the requirement be traversed.

3. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Trung Dang whose telephone number is (703) 308-2548. The examiner can

normally be reached on weekdays from 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Olik Chaudhuri, can be reached on (703) 306-2794. The fax phone number for this Group is

(703) 305-3432 or (703) 308-7725.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Trung Dang

lung day

Primary Examiner, Group 2800